

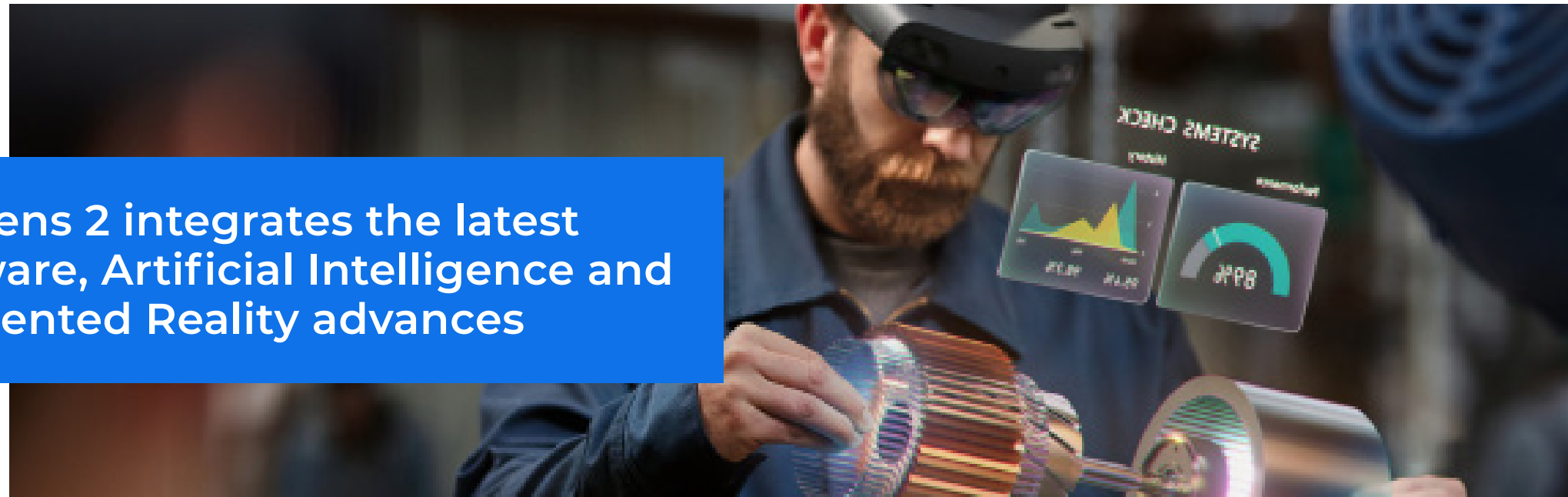


Microsoft HoloLens 2

The augmented reality headset for the business sector



HoloLens 2 integrates the latest hardware, Artificial Intelligence and Augmented Reality advances

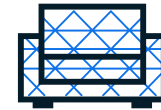


Elevate your business to the top with the innovative Microsoft HoloLens 2 glasses, make the most of Mixed Reality by combining wireless mobility with applications and solutions that help your organization's employees learn, communicate and collaborate in a much more efficient way.

It is the culmination of Microsoft's innovative advances in hardware design, artificial intelligence (AI) and Mixed Reality.

Microsoft HoloLens 2

Is the Augmented Reality device designed for the business sector. The new version of the device offers a more comfortable and immersive experience for the user, allowing all types of companies to incorporate the capabilities and benefits of solutions based on Augmented Reality and can be enriched by capabilities based on the cloud and Artificial Intelligence.



Spatial Mapping

Detailed representation of real-world surfaces around HoloLens.



Natural Interaction

Interact with holograms through completely natural hand gestures.



Voice Recognition

Interact with your AR goggles through voice commands.



Spatial Sound

Perceive sounds around you without isolating yourself from your environment.



Computer vision

Set markers to recognize equipments and locations.



Sharing Holograms

Share holograms across multiple devices no matter where they are.



Biometric Authentication

Simplify login, enhance security and automatically customize experiences.



Spatial anchors

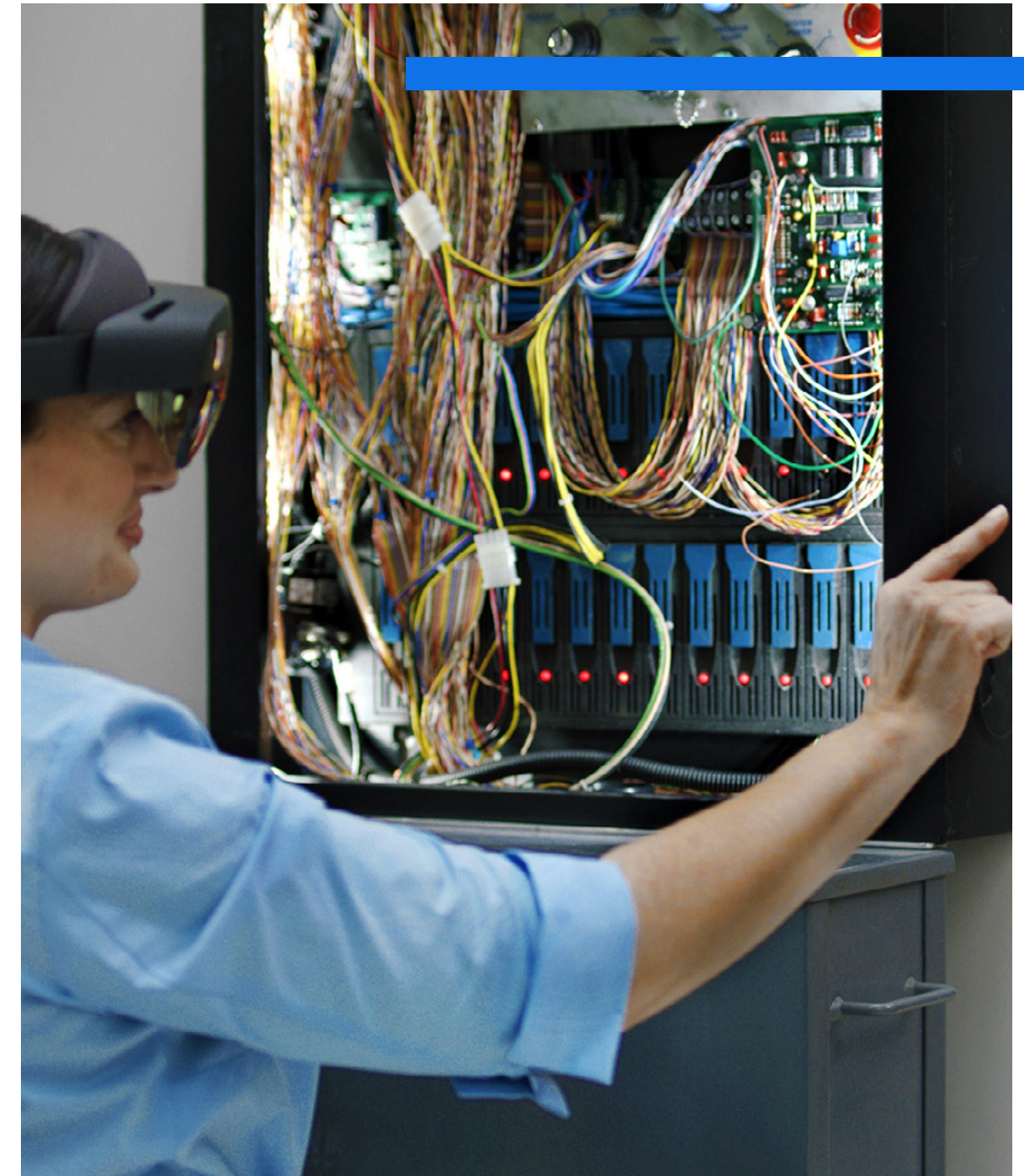
Link every sort of relevant information to different anchor points.

Our Solutions:

Mixed Reality Remote Assistance

An application for HoloLens that allows a non-specialist to perform maintenance tasks thanks to a virtual guide through artificial intelligence and augmented reality.

- ▶ Optimizes anomaly detection.
- ▶ Improves employee training.
- ▶ Reduces costs related to the displacement of specialized personnel.





Biopsy Assistant with MR

Application on HoloLens to graphically display the scanner of a patient in 3D, and help physicians decide from where to take a sample during a biopsy.

- ▶ Reduction of the time needed to provide consistent diagnoses.
- ▶ Reproduce CT images in 3D in the HoloLens.
- ▶ Helps medical staff decide the best entry point of a biopsy process.
- ▶ Avoid human errors.

Photogrammetry Remote Monitor Building Progress

Extract features and find matches between BIM models. Analyze building characteristics under construction, terrain, number of floors, information on the quality of the materials. Create algorithms to program the drone to take quality photographs allowing for a high-quality model. By using drones to fly over construction sites and comparing with the BIM drawings, we can compare the progress work and identify potential lag earlier, minimizing unwarranted costs.

- ▶ Remote Tracking - Add labels and custom views on the model to facilitate site control.
- ▶ Classification of BIM models.
- ▶ Progress documentation - Perform actions on the model.
- ▶ Quality assurance.
- ▶ Resource Control.





Holoportation

A new type of 3D capture technology that allows high-quality 3D models of people to be reconstructed, compressed and transmitted anywhere in the world in real time.

- ▶ See, hear, and interact with remote participants in 3D.
- ▶ Communicate with remote users as face-to-face communication.
- ▶ Virtual meetings.

Digital Experience

Present a product interactively or promote a brand with holograms using HoloLens.

- ▶ Experience holographic displays over the real-world environment in the same way as if they were wearing the headset.
- ▶ Virtual assistants and virtually move people around.





Retail spaces design with Augmented Reality

Augmented Reality application which allows to visualize a variety of promotional elements on top of reality through a tablet.

- ▶ Evaluate if the products adapt to the available space.
- ▶ Understand more clearly and intuitively the possibilities of each element.

HoloPlanner Interior design with Virtual Reality

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Planning and designing an office or a space with a catalogue of virtual furniture, which also allows you to measure distances with a virtual tape measure.

- ▶ See the final appearance of a property or office before buying it.
- ▶ Value and define the final layout while saving time and money.





Digital Twin

Compare BIM with areas under construction and the subsequent operations and maintenance. By creating a digital twin, it creates an understanding of how new components might impact existing operations/maintenance processes.

- ▶ Build 3D model accuracy error <5mm, faster and cheaper than laser.
- ▶ More than one person can wear a HoloLens.
- ▶ Spatial reconstruction.

Virtual Assistant for maintenance

The virtual remote assistant is an application for HoloLens 2 that allows you to make video calls to experts, manage a checklist, as well as access video tutorials or schematics using mixed reality, which helps a technician perform their work much faster and more efficiently.

- ▶ Save time.
- ▶ Reduce costs on travel.



They trust us



Plain Concepts is First Microsoft Mixed Reality Partners in Spain and Mixed Reality Partners in USA. We have developed our own cross-platform 3D engine that allows us to build applications for all types of devices, we adapt our roadmap to the needs of our customers.

We have developed over 2,500 projects and several leading companies in their sector have already partnered with us:



Would you like to see
how Mixed Reality can
empower your business
to unimaginable levels?

Request a personalized demo where
we'll analyze your current scenario and
provide you with everything you need to
launch your next big project.

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